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(54) Title: ENZYMATIC REDOX LABELLING OF NUCLEIC ACIDS

(57) Abstract: A modified nucleoside analogue having the formula (I): P - S - B - L - R where: P is a 5' triphosphate or analogue or derivative thereof; S is a substituted or unsubstituted five- or six-membered sugar, sugar analogue or acyclo sugar analogue, but excluding a dideoxy-sugar; B is a substituted or unsubstituted nitrogenous base or base analogue or derivative thereof; L is a linker group; and R is a substituted or unsubstituted metallocene moiety or substituted or unsubstituted metal complex or substituted or unsubstituted redox-active organic moiety. The modified nucleoside is capable of enzymatic incorporation into a nucleotide chain and allows for redox labelling of nucleotides.